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METEOROLOGICAL REPORT.

FROM THE 20TH OF SEPTEMBER TILL THE 20TH OF OCTOBER.

October is generally reckoned one of the pleasantest months of the twelve. The varying tints of the woodlands convey to the painter inexpressible delight; but to the thoughtful, the apparent decay of nature never fails to bring thoughts of a melancholy cast. And the present month, from its uncommonly stormy weather, and the many melancholy circumstances which attended the severe squalls, has been peculiarly remarkable.

On the 21st of September, Brilliant day.

- 22, Misty rain most part of the day.
- 23, Brilliant and breezy.
- 24, Pleasant cool day with a trifling shower.
- 25, Same.
- 26, Same.
- 27, Heavy showers, mixed with small hail.
- 28, Cold misty rain.
- 29, Cold brilliant day.
- 30, Cold showers.
- October 1, Brilliant morning—slight shower during the day.
- 2, Slight rain.
- 3, Brilliant morning—slight rain about 3 P. M.
- 4, Pleasant, dark day.
- 5, Brilliant day.
- 6, Same.
- 7, Heavy rain with great squalls, which continued through the night, blowing down branches of trees, and doing other damage.
- 8, Sante.
- 9, Nearly calm—dry day.
- 10, Stormy night—dark breezy dry day.
- 11, Rain during the greater part of the day.
- 12, Brilliant morning—showery afterwards.
- 13, Hills white this morning, half way down—showery day.
- 14, Windy night—very wet day.
- 15, Brilliant day.
- 16, Squally, with great showers.
- 17, Squally night, mountains again white, half way down, showery day.
- 18, Heavy rain during the forepart of the day.
- 19, Windy wet night; showers through the day.
- 20, The same.

The range of the Barometer during this period, has not been high; it was only 12 days as high as 30, and the variation never further than 29.2. which it was on the 14th of October.

The variations of the Thermometer, have been somewhat more than those of the Barometer.

On the morning of the 22d of September it was as high as 58.

October 26, 58.

28, as low as..... 40; but during the night, it must have been lower, as the Potatoe stalks after that appeared in decay, from being frosted.

The wind, during this period, has been observed in the Northern points 12 times; Southern 6; Western 12; and never Easterly, but on the 22d of September, when it was S. E. for a short time during the middle of the day.

CELESTIAL PHENOMENA.

NOVEMBER 1808.

ON the first day of this month the Moon passes our meridian at 23 min. past 11 o'clock at night, the three first stars of the Ram being above her, to the east of the meridian and Menkar in the Whale's head, below her, and at a greater distance on same side of the meridian; at 9, she was $44^{\circ} 21'$ from Aldebaran, and $84^{\circ} 7'$ from the first of the Eagle: on the 3d is eclipsed, but invisible here, as she sets before it commences.

Fifth day she rises about half past six, evening, and passes the mer. at twenty-seven min. past two the next morning; as she ascends, she is followed by Orion, Gemini, and Canis Minor; at 9 she is $76^{\circ} 38'$ from Regulus, and $37^{\circ} 33'$ from the first star of Aries.

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Tenth day, she rises under, and soon after the two stars called the first of the Crab; as she mounts the heavens, we may perceive her in a line between the first of the Less Dog and the first of the Lion, but much nearer the latter than the former. At nine she is $69^{\circ} 6'$ from Spica in the Virgin, and $64^{\circ} 31'$ from Aldebaran.

Fifteenth day, she rises under the five stars in the Triangle, and is soon followed by the first of the Virgin. On the 18th, she eclipses the Sun, but the eclipse is invisible here.

Twentieth day, soon after sun-set, we perceive the crescent of the Moon above Venus; she passes the mer. at fifty-one minutes past two, and at nine, is $73^{\circ} 27'$ from the first of Pegasus.

Twenty-fifth day, she passes the mer. at seven minutes past seven, afternoon, Jupiter being almost directly below her; Fomalhaut is below her exactly South, and very near the Horizon, and Markab and Scheat are above her, and almost due North. At nine, she is $50^{\circ} 46'$ from the first of the Ram.

Thirtieth day, she passes the mer. at forty-four minutes past ten, at which time, Menkar in the Whale is below her, exactly South; and above her a little to the East, is the Pleiades; and West of the mer. are the three first stars of the Ram; at nine, she is $23^{\circ} 46'$ from Aldebaran, and $55^{\circ} 33'$ from the first of Pegasus.

Mercury is an evening star till the 18th, and morning star from that till the end of the month.

Venus is an evening star, setting on the first, within an hour after the Sun, in the South West by West; her stay above the Horizon becomes every evening longer than the preceding.

Mars is a morning star this month.

Jupiter passes our mer. at thirty-seven minutes past eight, on the first; at fifty minutes past seven, on the 13th, and at two minutes past seven, on the 25th. During the whole of this month he has a most brilliant appearance.

Saturn is in conjunction with the sun on the 16th, and consequently too near him to be easily seen.

Herschell is a morning star, but too near the sun to be easily perceived.

ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.				4th SATELLITE.			
Emissions.				Emissions.											
DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
2	3	28	43	1	3	0	58	4	6	44	46	8	16	40	1
3	21	57	46	4	16	18	52	4	9	51	1	8	20	22	26
5	16	26	39	8	5	36	41	11	10	47	38	25	11	0	55
7	10	55	43	11	18	54	36	11	13	52	55	25	14	35	55
9	5	24	37	15	8	12	26	18	14	50	38				
10	25	53	41	18	21	30	20	18	17	55	2				
12	18	22	36	22	10	48	11	25	18	53	9				
14	12	51	40	26	0	6	3	25	21	56	32				
16	7	20	35	29	13	23	55								
18	1	49	41												
19	20	18	35												
21	14	47	39												
23	9	16	35												
25	3	45	40												
26	22	14	35												
28	16	43	40												
30	11	12	36												

ERRATA.

Page 163, 2d, column, line 2d from the top, for *Coffer*, read *Coffee*....p. 187, 2d col. 1.27 from the top, for *inflexice*, read *inflexion*....3d line following, after *inflexion*, insert a semicolon....p. 189, 1st col. 1.15 from the top, for *reason* read *nature*....p. 207, 1st col. from the top, line 16, *dele P* in *complaint*....p. 208, title of the Sonnet of Milton, *dele* 'never before published.'